

1642

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TECH CENTER 1600/2900

1600

RAW SEQUENCE LISTING

DATE: 09/19/2002

PATENT APPLICATION: US/09/617,174C

TIME: 16:23:44

Input Set : A:\SEQUENCE LISTING.TXT

Output Set: N:\CRF4\09192002\I617174C.raw

4 <110> APPLICANT: Arthur Pardee, executor for Ruth Sager, deceased
 5 Zhang, Ming
 7 <120> TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY SEQUENCE AND USES THEREOF
 9 <130> FILE REFERENCE: 00530-079003
 11 <140> CURRENT APPLICATION NUMBER: US 09/617,174C
 12 <141> CURRENT FILING DATE: 2000-07-17
 14 <150> PRIOR APPLICATION NUMBER: US 09/155,380
 15 <151> PRIOR FILING DATE: 1998-09-28
 17 <150> PRIOR APPLICATION NUMBER: PCT/US97/05186
 18 <151> PRIOR FILING DATE: 1997-03-28
 20 <150> PRIOR APPLICATION NUMBER: US 60/014,368
 21 <151> PRIOR FILING DATE: 1996-03-28
 23 <160> NUMBER OF SEQ ID NOS: 20
 25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 1141
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1

33 agataagcac agcagagaag caaccagctc cgtttcaggt cctttcctga ggctgattcg	60
34 gctggaaggg agtaggtccc accaaatgaa gaagctgtgg gaagacagga ggacaagaac	120
35 aggcctccacg aagagatttc agagcagagc tgcgtactcc tttttctttt tgtttctttt	180
36 gctctgtcac ccaggctgaa gtacagtggg tagctcacgg ctactgacag ctttgacctc	240
37 ccaggctcaa gtgatcctct cgtctcagct ttccaagtaa ctgggaccac aggcattgcat	300
38 caccacgcta ggctattgtt ttacattttt tgtagagatg gggcttcacc atgttgccca	360
39 ggttggtctc aaactcctgg gctcaagcaa tccgctcacg tcaacctccc caaatgctgg	420
40 gattacaggc gtgagccacc gggccagggc tgagtaatcc taatcacagg attttaaaaa	480
41 gaaacttcct gcgccacca ttaacaata tctcctacca atttggtagt aaatattttg	540
42 ctaatagtac ctaattttta ggtaggcact gtgtttatac atatatccat tccttctttt	600
43 ttgattgtct ttctgtttta tgggcagcta cctctcttgg catctagcag aatgagctgc	660
44 tgcagtttac acaaaaagaa tggagatcag agtacttttt gtgccaccaa cgtgtctgag	720
45 aaatttgtag tgttactatc atcacacatt acttttattt catcgaatat ttcaccttcc	780
46 ggtcctgcgt gggccgagag gattgccgta cgcattgtctg tacgtatgca tgtaactcac	840
47 agcccccttc tgcccgaaac tgttgaggc cttttggaag ctgtgcagac aacagcaact	900
48 tcagcctgaa tcatctcttt caattgtgga caagctgcca agaggcttga gtaggagagg	960
49 agtgccgccg aggcggggcg gggcgggcg tggagctggg ctggcagtg gctggcggt	1020
50 gctgcccagg tgagccaccg ctgcttctgc ccagacacgg tcgcctccac atccaggtct	1080
51 ttgtgctcct cgcttgctg ttccttttcc acgcattttc caggataact gtgactccag	1140
52 g	1141

55 <210> SEQ ID NO: 2
 56 <211> LENGTH: 51
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Artificial Sequence

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60 <220> FEATURE:
61 <223> OTHER INFORMATION: oligonucleotide for PCR
63 <400> SEQUENCE: 2
64 tcaccagtta tcctggaaaa tgcgtggaaa aggaacaggc aagcgaggag c      51
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 20
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: oligonucleotide for PCR
74 <400> SEQUENCE: 3
75 cagccccttc ctgcccgaac      20
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 21
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: oligonucleotide for PCR
85 <400> SEQUENCE: 4
86 gtcggggaag gacggggctt g      21
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 20
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: oligonucleotide for PCR
96 <400> SEQUENCE: 5
97 cagccccttt ttgcccgaac      20
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 20
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: oligonucleotide for PCR
107 <400> SEQUENCE: 6
108 gtcggggaaa aacgggcttg      20
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 22
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: oligonucleotide for PCR
118 <400> SEQUENCE: 7
119 ccttgtcaga caggcaagtg cc      22
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 22
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:

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127 <223> OTHER INFORMATION: oligonucleotide for PCR
129 <400> SEQUENCE: 8
130 ggaacagtct gtccgttcac gg 22
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 19
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: oligonucleotide for PCR
140 <400> SEQUENCE: 9
141 agtactctga tctccattc 19
143 <210> SEQ ID NO: 10
144 <211> LENGTH: 19
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: oligonucleotide for PCR
151 <400> SEQUENCE: 10
152 gaatggagat cagagtact 19
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 27
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: oligonucleotide for PCR
162 <400> SEQUENCE: 11
163 ctaggctgta caggatgttc tgcctag 27
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 27
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: oligonucleotide for PCR
173 <400> SEQUENCE: 12
174 gatccgacat gtcctacaag acggatc 27
177 <210> SEQ ID NO: 13
178 <211> LENGTH: 21
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: oligonucleotide for PCR
185 <400> SEQUENCE: 13
186 ccttgtcaga caggcaagtc c 21
188 <210> SEQ ID NO: 14
189 <211> LENGTH: 22
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: oligonucleotide for PCR

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196 <400> SEQUENCE: 14
197 ggaacagtct grccgttcac gg                                22
199 <210> SEQ ID NO: 15
200 <211> LENGTH: 38
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: oligonucleotide for PCR
207 <400> SEQUENCE: 15
208 aactgcagtt tacacaaaaa gaatgatatc cggagtag                38
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 28
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: oligonucleotide for PCR
218 <400> SEQUENCE: 16
219 ggtggtatat ccagtgattt ttttctcc                            28
221 <210> SEQ ID NO: 17
222 <211> LENGTH: 25
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: oligonucleotide for PCR
229 <400> SEQUENCE: 17
230 gatccagtac tctgatctcc attcg                                25
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 25
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: oligonucleotide for PCR
240 <400> SEQUENCE: 18
241 gatccgaatg gagatcagag tactg                                25
243 <210> SEQ ID NO: 19
244 <211> LENGTH: 15
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: consensus sequence
W--> 251 <221> NAME/KEY: misc_feature
      252 <222> LOCATION: (1)...(15)
      253 <223> OTHER INFORMATION: n = A,T,C or G
W--> 255 <400> 19
W--> 256 ggtacannnt gtyct                                    15
      258 <210> SEQ ID NO: 20
      259 <211> LENGTH: 14
      260 <212> TYPE: DNA
      261 <213> ORGANISM: Homo sapiens

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263 <400> SEQUENCE: 20

264 gtactctgat ctcc

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/19/2002
PATENT APPLICATION: US/09/617,174C TIME: 16:23:45

Input Set : A:\SEQUENCE LISTING.TXT
Output Set: N:\CRF4\09192002\I617174C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; N Pos. 7,8,9